

Converting Colors

XYZ(24.2652, 23.6021, 64.9048)

Have a look what the booklet for
XYZ(24.2652, 23.6021, 64.9048)
contains.

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Color

**XYZ(24.2652, 23.6021,
64.9048)**

Conversions

Conversions Part 1

Format	Color
Hex	5985D3
RGB	89, 133, 211
RGB Percent	35%, 52%, 83%
CMY	0.6510, 0.4784, 0.1725
CMYK	0.58, 0.37, 0.00, 0.17
HSL	218°, 58%, 59%
HSV	218°, 58%, 83%
XYZ	24.2652, 23.6021, 64.9048
YIQ	128.7360, -51.2620, 14.9300

Conversions

Conversions Part 2

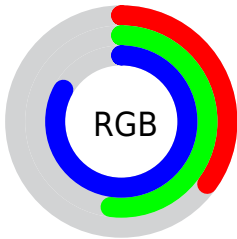
Format	Color
R _Y B	89, 121, 211
Decimal	5866963
CIE Lab	55.69, 8.19, -44.72
CIE LCh	56, 45.466, 280.381
Yxy	23.6021, 0.2152, 0.2093
Android (android.graphics.Color)	4284057043 (0xFF5985D3)
YUV	128.7360, 40.5562, -34.8485
Hunter-Lab	48.5820, 4.1367, -45.2031

Details

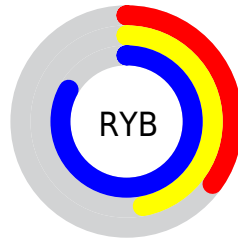
The XYZ color **24.2652, 23.6021, 64.9048** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **42.4871, 42.2093, 15.3603**, and the grayscale version is **20.6505, 21.7260, 23.6596**.

A 20% lighter version of the original color is **47.6415, 48.5409, 101.4661**, and **9.3848, 8.8511, 32.6663** is the 20% darker color. If you saturate the color by 10%, you get **20.7931, 19.2445, 64.2472**, and if you desaturate by 10%, it is **28.5565, 28.7349, 65.6698**.

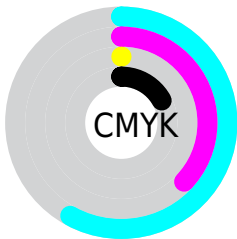
Distribution



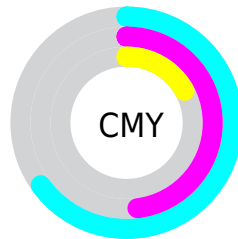
- Red (35%)
- Green (52%)
- Blue (83%)



- Red (35%)
- Yellow (47%)
- Blue (83%)



- Cyan (58%)
- Magenta (37%)
- Yellow (0%)
- Black (17%)



- Cyan (65%)
- Magenta (48%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2652, 23.6021, 64.9048 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 24.2652, 23.6021, 64.9048 by changing the saturation by 10% instead.

■ 24.2652, 23.6021,
64.9048

■ 24.2652, 23.6021,
64.9048

266.5742,
270.8026, 460.7466

■ 15.6563, 15.0387,
46.9330

■ 49.9142, 49.3801,
113.5249

■ 9.3705, 8.8466,
32.6288

■ 67.6849, 67.3635,
145.0104

■ 5.0427, 4.6412,
21.5734

■ 89.2403, 89.2557,
181.8375

■ 2.3073, 2.0383,
13.3485

■ 114.9456,
115.4411, 224.4248

■ 0.7984, 0.6296,
7.5354

145.1663,
146.3041, 273.1908

■ 0.0000, 0.0000,
3.7157

180.2678,

■ 0.0000, 0.0000,

182.2291, 328.5541

1.4707

220.6153,
223.6005, 390.9332

■ 0.0000, 0.0000,
0.1959

■ 0.0000, 0.0000,
0.0000

■ 24.2652, 23.6021,
64.9048

■ 24.2652, 23.6021,
64.9048

■ 20.7931, 19.2445,
64.2472

■ 28.5565, 28.7349,
65.6698

■ 18.0775, 15.6153,
63.6898

■ 33.7178, 34.6806,
66.5455

■ 16.0497, 12.6655,
63.2273

■ 39.7987, 41.4772,
67.5368

■ 14.6145, 10.3306,
62.8523

■ 46.8441, 49.1591,
68.6483

■ 14.3490, 9.8853,
62.7803

■ 54.8959, 57.7590,
69.8838

■ 63.9932, 67.3075,
71.2474

■ 74.1733, 77.8339,
72.7426

■ 84.4314, 88.8301,
74.3244

■ 88.5722, 97.1115,
75.7047

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.2698, 23.6021, 62.7371



24.2652, 23.6021, 64.9048



29.4796, 23.6021, 53.9204

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.2652, 23.6021, 64.9048



30.8533, 23.6021, 11.3561



14.3386, 23.6021, 17.3043

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.2652, 23.6021, 64.9048



42.4871, 42.2093, 15.3603

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.6098, 23.6021, 9.5836



24.2652, 23.6021, 64.9048



25.9249, 23.6021, 7.1723

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.2652, 23.6021, 64.9048



33.6511, 23.6021, 20.9196



20.6956, 23.6021, 6.6792



14.0345, 23.6021, 31.1552

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.2652, 23.6021, 64.9048



32.1896, 23.6021, 42.4173



20.6956, 23.6021, 6.6792



14.8788, 23.6021, 14.0763

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.2661, 23.6029, 64.9054



72.6474, 76.2586, 105.4982



34.3225, 51.4761, 44.3329



15.0488, 15.7819, 22.5030



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.2661, 23.6029, 64.9054



31.0269, 28.3810, 98.4505



21.1884, 14.8686, 63.3817



11.5077, 12.1056, 14.9738



8.7484, 6.1435, 37.9172



0.5636, 0.4923, 2.1449

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.6708, 22.6882, 24.7429



48.9601, 28.8274, 28.7741



47.5351, 58.8771, 18.3114



11.9824, 11.8777, 13.1831



17.0465, 8.6915, 5.1512



0.9907, 0.5010, 0.4858

Previews

White Background



This preview shows how the XYZ color 24.2652, 23.6021, 64.9048 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.2652, 23.6021, 64.9048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

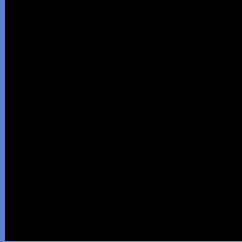
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

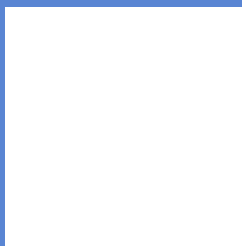
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2652, 23.6021, 64.9048

Background



This preview shows how black text looks on a background with the XYZ color 24.2652, 23.6021, 64.9048.

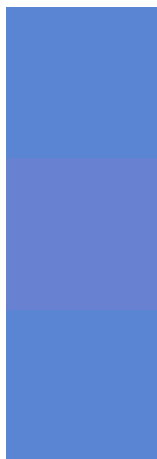


This preview shows how white text looks on a background with the XYZ color 24.2652, 23.6021,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.2652, 23.6021, 64.9048

Protanopia

25.2002, 23.5118, 63.5316

Deuteranopia

24.2652, 23.6021, 64.9048



Tritanopia

18.2208, 23.5051, 35.0291

Trichromacy



Original Color

24.2652, 23.6021, 64.9048

Protanomaly

24.8947, 23.5384, 64.2040

Deuteranomaly

24.2652, 23.6021, 64.9048

Tritanomaly

20.0386, 23.3466, 44.5245

Monochromacy



Original Color

24.2652, 23.6021, 64.9048

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1801, 22.0459, 35.9399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2652, 23.6021, 64.9048 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(89, 133, 211)` looks like.

```
.text, #text, p{  
    color:rgb(89, 133, 211)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(89, 133, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 133, 211) }
```

Border

The CSS property to change the border of an element to XYZ 24.2652, 23.6021, 64.9048 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 133, 211) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(89, 133, 211) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(89, 133, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 133, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 133, 211);  
box-shadow:4px 4px 4px 4px rgb(89, 133,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2652, 23.6021, 64.9048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 133, 211) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(89, 133,  
211) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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